

PV string monitoring module - SCK-M-8S-20A - 2901672

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SCK measuring module for monitoring photovoltaic systems, 8 x current measurement of up to 20 A, 1 x voltage measurement of up to 1200 V DC, 1 x digital input, interface to SCK communication module

Product Features

- Digital input for monitoring the remote indication contacts of surge protection modules
- Internal temperature monitoring of measuring module
- Measuring modules supplied via the communication module



Key commercial data

Packing unit	1 PCE
Weight per Piece (excluding packing)	444.44 GRM
Custom tariff number	90303310
Country of origin	Germany

Technical data

Dimensions

Width	22.5 mm
Height	102 mm
Depth	128.5 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Maximum altitude	2000 m
Degree of protection	IP20

Input data

Number of inputs	8
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Technical data

Input data

Input current range	0 A ... 20 A
Overload capacity	Depending on through connected conductor
Connection method	Through connection, 10 mm diameter

Switching output

Output name	No switching output
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Power supply

Supply voltage range	(Via SCK-C-MODBUS communication module)
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Connection data

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12

General

Maximum transmission error	< 1 % (of final value)
Test voltage	5.8 kV AC ((50 Hz/ 1 min))
Pollution degree	2
Rated insulation voltage	1200 V DC (Voltage input/ output)
Standards/regulations	EN 61010-1
Electromagnetic compatibility	Conformance with EMC directive 2004/108/EC and for low-voltage directive 2006/95/EC
Mounting position	any
Assembly instructions	Horizontal or vertical
Torque	0.5 Nm ... 0.6 Nm

Classifications

eCl@ss

eCl@ss 4.0	27210902
eCl@ss 4.1	27371105
eCl@ss 5.0	27371801
eCl@ss 5.1	27210902
eCl@ss 6.0	27210902
eCl@ss 7.0	27210902

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Classifications

eCl@ss

eCl@ss 8.0	27210902
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ETIM

ETIM 3.0	EC001505
ETIM 4.0	EC002498
ETIM 5.0	EC002498

UNSPSC

UNSPSC 6.01	30211506
UNSPSC 7.0901	39121008
UNSPSC 11	39121008
UNSPSC 12.01	39121008
UNSPSC 13.2	39121008

Drawings

Block diagram

